



Atty. Docket No.: VI/00-001.CIP.D3

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
)  
TROCKI et al. )  
) Art Unit: 3763  
Serial No.: 10/669,144 )  
)  
Filed: September 23, 2003 )  
) Examiner: To be assigned  
Title: FRONT-LOADING INJECTOR SYSTEM )  
INCLUDING A SYRINGE AND AN INJECTOR )  
HAVING A DRIVE PISTON ADAPTED TO )  
CONNECTIVELY ENGAGE THE SYRINGE )  
THE SYRINGE PLUNGER )

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This Information Disclosure Statement is being filed in accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98. The items listed on the attached Forms PTO-1449 may be deemed to be relevant to the patentability of the above-identified application, and are made of record to assist the Patent and Trademark Office in its examination of this application. The Examiner is respectfully requested to fully consider the items and to independently ascertain their teaching.

The references cited in the attached Forms PTO-1449 have been disclosed and/or made of record in parent Application Serial Numbers 09/777,020, filed on February 5, 2001, and 09/718,230, filed on November 21, 2000, and copies thereof may be found in those corresponding application files.

### Co-pending Related Applications

Applicant wishes to bring a number of co-pending related applications to the Examiner's attention. These applications may contain subject matter related to that disclosed and/or claimed in the present application.

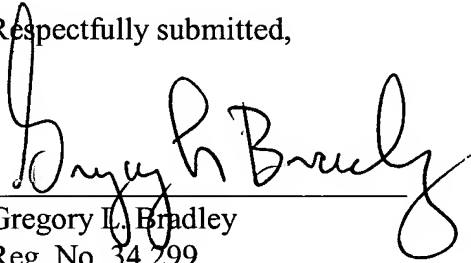
- U.S.S.N. 09/448,835, filed on November 24, 1999;
- U.S.S.N. 10/174,631, filed on June 19, 2002;
- U.S.S.N. 10/619,137, filed on July 14, 2003;
- U.S.S.N. 09/731,108, filed December 6, 2000
- U.S.S.N. 09/777,020, filed on February 5, 2001, now USPN 6,652,489  
which issued on November 25, 2003;
- U.S.S.N. 10/668,643, filed on September 23, 2003;
- U.S.S.N. 10/668,673, filed on September 23, 2003;
- U.S.S.N. 10/669,148, filed on September 23, 2003;
- U.S.S.N. 10/670,154, filed on September 23, 2003;
- U.S.S.N. 10/380,188, filed March 10, 2003;
- U.S.S.N. 09/765,498, filed January 18, 2001;
- U.S.S.N. 10/159,592, filed May 30, 2002;
- U.S.S.N. 10/606,157, filed June 25, 2003; and
- U.S.S.N. 10/722,370, filed November 25, 2003.

The Examiner is respectfully requested to initial the attached Forms PTO-1449 to indicate consideration of the references, and to return copies of the initialed forms to the undersigned counsel.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits, and NO FEE is due for consideration of this Information Disclosure Statement.

Date: February 13, 2004

Respectfully submitted,



Gregory L. Bradley  
Reg. No. 34,299

Medrad, Inc.  
One Medrad Drive  
Indianola, PA 15051  
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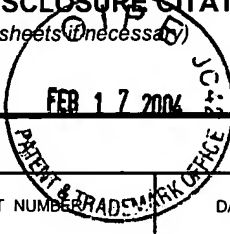
CERTIFICATE OF MAILING

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on February 13, 2004, with sufficient postage as first-class mail in an envelope addressed to the: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Gregory L. Bradley



<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. <b>VI/00-001.CIP.D3</b>		SERIAL NO. <b>10/669,144</b>	
				TROCKI et al.			
				FILING <b>9/23/2003</b>		GROUP <b>3763</b>	



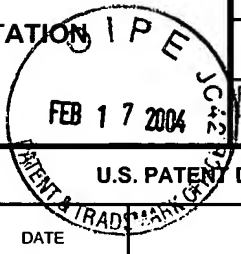
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	1,988,480	1/22/1935	Campkin			
	AB	2,702,547	2/22/1955	Glass			
	AC	3,051,173	8/28/1962	Johnson et al.			
	AD	3,604,417	9/14/1971	Stolzenberg			
	AE	3,623,474	11/30/1971	Heilman et al.			
	AF	3,645,262	2/29/1972	Harrigan			
	AG	3,701,345	10/31/1972	Heilman et al.			
	AH	3,720,211	3/13/1973	Kyrias			
	AI	3,738,539	6/12/1973	Beich			
	AJ	3,752,145	8/14/1973	Runnells et al.			
	AK	3,796,218	3/12/1974	Burke et al.			

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	EP 0 160 303	11/6/1985	Europe				
	AM	EP 0 164 904	12/18/1985	Europe				
	AN	EP 0 320 168	6/14/1989	Europe				
	AO	EP 0 323 321	7/5/1989	Europe				✓
	AP	EP 0 346 950	12/20/1989	Europe				

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>			
		AQ	Liebel-Flarsheim Company, Angiomat 6000 Digital Injection System Operator's Manual, 600950 Rev. 1, pgs. 3-6 to 3-8, 4-52 to 4-56 (1990).
		AR	Medrad Mark V/Mark V Plus Injector Operation Manual, KMP 805P, Rev. B, pgs. 1-18 to 1-28, 3-7 to 3-13, 14-1 to 14-4 (1990).

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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				<b>U.S. PATENT DOCUMENTS</b>			

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	3,812,843	5/28/1974	Wootten et al.			
AT	3,964,139	6/22/1976	Kleinmann et al.			
AU	3,987,940	10/26/1976	Tischlinger			
AV	4,006,736	2/8/1977	Kranys et al.			
AW	4,030,498	6/21/1977	Tompkins			
AX	4,080,967	3/28/1978	O'Leary			
AY	4,155,490	5/22/1979	Glenn			
AZ	4,226,236	10/7/1980	Genese			
BA	4,252,118	2/24/1981	Richard et al.			
BB	4,278,086	7/14/1981	Hodgins et al.			
BC	4,345,595	8/24/1982	Whitney et al.			

FOREIGN PATENT DOCUMENTS								
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION			
					YES	NO		
BD	EP 0 364 010	4/18/1990	Europe					
BE	EP 0 384 657	8/29/1990	Europe					
BF	EP 0 482 677	4/29/1992	Europe					
BG	EP 0 523 343	1/20/1993	Europe					
BH	EP 0 567 944	11/3/1993	Europe					

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>			
		BI	Medrad, Inc., "The First and Only True Injection System," Medrad Mark V System Brochure, Control No85106-00-BA-02, (November 1988).
		BJ	Brochure for "Angiomat 6000" of Liebel-Flarsheim, 2111 E. Galbraith Road, Cincinnati, OH 45215, Copyright 1987.

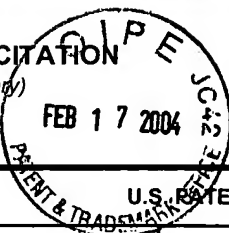
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<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	BK	4,351,332	9/28/1982	Whitney et al.				
	BL	4,356,822	11/2/1982	Winstead-Hall				
	BM	4,424,720	1/10/1984	Bucchianeri				
	BN	4,452,251	6/5/1984	Heilman				
	BO	4,453,934	6/12/1984	Gahwiler et al.				
	BP	4,464,265	8/7/1984	Joyner				
	BQ	4,465,472	8/14/1984	Urbaniak				
	BR	4,465,473	8/14/1984	Ruegg				
	BS	4,475,666	10/9/1984	Bilbrey et al.				
	BT	4,476,381	10/9/1984	Rubin				
	BU	4,493,646	1/15/1985	Lacour et al.				
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BV	EP 0 584 531	3/2/1994	Europe				
	BW	EP 0 736 306	10/9/1996	Europe				
	BX	EP 0 749 757	12/27/1996	Europe				
	BY	EP 0 900 573	3/10/1999	Europe				
	BZ	EP 0 919 251	6/2/1999	Europe				
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
		CA	Brochure for "Angiomat CT" of Liebel-Flarsheim, 2111 E. Galbraith Road, Cincinnati, OH 45215, Copyright 1988.					
		CB	Brochure for "PercuPump 1A" of E-Z-EM, Inc., 717 Main Street, Westbury, NY 11590, Copyright 1990.					
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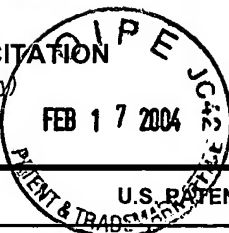
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CC	4,529,401	7/16/1985	Leslie et al.			
CD	4,568,335	2/4/1986	Updike et al.			
CE	4,573,978	3/4/1986	Reilly			
CF	4,585,439	4/29/1986	Michel			
CG	4,604,847	8/12/1986	Moulding, Jr. et al.			
CH	4,612,010	9/16/1986	Hamacher et al.			
CI	4,617,016	10/14/1986	Blomberg			
CJ	4,636,198	1/13/1987	Stade			
CK	4,648,872	3/10/1987	Kamen			
CL	4,650,475	3/17/1987	Smith et al.			
CM	4,652,260	3/24/1987	Fenton, Jr. et al.			

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	CN	DE 29 19 978	11/20/1980	Germany				✓
	CO	DE 32 27 417	2/17/1983	Germany				✓
	CP	DE 40 17 920	12/12/1991	Germany				✓
	CQ	DE 196 01 214	8/22/1996	Germany				✓
	CR	DE 196 33 530	2/26/1998	Germany				✓

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>			
		CS	Medrad Envision CT Injector Operation Manual, EOM 700E, 92401-T-123, Rev. E, Pgs. 2-10 to 2-11, pgs. 2-30 to 2-36, Copyright 1995.
		CT	Injektron 82 MRT User Instructions, Version MR2, CE0535, Med-Tron GmbH (March 10, 1999).

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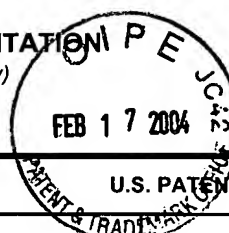
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<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CU	4,664,128	5/12/1987	Lee			
	CV	4,676,776	6/30/1987	Howson			
	CW	4,677,980	7/7/1987	Reilly et al.			
	CX	4,681,566	7/21/1987	Fenton, Jr. et al.			
	CY	4,685,903	8/11/1987	Cable et al.			
	CZ	4,695,271	9/22/1987	Goethel			
	DA	4,705,509	11/10/1987	Stade			
	DB	4,722,734	2/2/1988	Kolin			
	DC	4,741,732	5/3/1988	Crankshaw et al.			
	DD	4,741,736	5/3/1988	Brown			
	DE	4,749,109	6/7/1988	Kamen			
<b>FOREIGN PATENT DOCUMENTS</b>							
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	DF	61-500415	3/13/1986	Japan			<input type="checkbox"/> <input checked="" type="checkbox"/>
	DG	63-68177	3/28/1988	Japan			<input type="checkbox"/> <input checked="" type="checkbox"/>
	DH	847,914	1/10/1961	Great Britain			<input type="checkbox"/> <input type="checkbox"/>
	DI	1 380 873	1/15/1975	Great Britain			<input type="checkbox"/> <input type="checkbox"/>
	DJ	2 108 852	5/25/1983	Great Britain			<input type="checkbox"/> <input type="checkbox"/>
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
		DK	Brochure for "Cordis Lymphography Injector," Cordis Corporation, Miami, FL 33137 (1972).				
		DL	International Search Report for PCT Application PCT/AU01/00830.				
EXAMINER				DATE CONSIDERED			

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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DM	4,767,406	8/30/1988	Wadham et al.			
DN	4,773,900	9/27/1988	Cochran			
DO	4,755,172	7/5/1988	Baldwin			
DP	4,838,857	6/13/1989	Strowe et al.			
DQ	4,840,616	6/20/1989	Banks			
DR	4,842,581	6/27/1989	Davis			
DS	4,853,521	8/1/1999	Claeys et al.			
DT	4,854,324	8/8/1989	Hirschman et al.			
DU	4,869,720	9/26/1989	Chernack			
DV	4,878,896	11/7/1989	Garrison et al.			
DW	4,911,695	3/27/1990	Lindner			

**FOREIGN PATENT DOCUMENTS**


DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
DX	WO 80/02376	11/13/1980	WIPO			
DY	WO 85/00292	1/31/1985	WIPO			
DZ	WO 85/02256	5/23/1985	WIPO			
EA	WO 89/06145	7/13/1989	WIPO			
EB	WO 89/09071	10/5/1989	WIPO			

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		EC	International Search Report for PCT Application PCT/US03/17305.

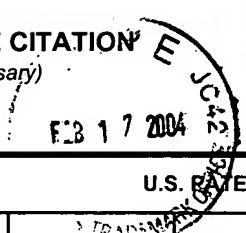
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<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	ED	4,929,238	5/29/1990	Baum			
	EE	4,936,833	6/26/1990	Sams			
	EF	4,943,279	7/24/1990	Samiotes et al.			
	EG	4,966,601	10/30/1990	Draenert			
	EH	4,969,874	11/13/1990	Michel et al.			
	EI	4,973,309	11/27/1990	Sultan			
	EJ	4,978,335	12/18/1990	Arthur, III			
	EK	4,988,337	1/29/1991	Ito			
	EL	5,007,904	4/16/1991	Densmore et al.			
	EM	5,033,650	7/23/1991	Colin et al.			
	EN	5,034,004	7/23/1991	Crankshaw			
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	EO	WO 89/11310	11/30/1989	WIPO			
	EP	WO 90/01962	3/8/1990	WIPO			
	EQ	WO 91/04759	4/18/1991	WIPO			
	ER	WO 92/21391	12/10/1992	WIPO			
	ES	WO 94/25089	11/10/1994	WIPO			
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	ET	5,047,014	9/10/1991	Mosebach et al.			
	EU	5,078,683	1/7/1992	Sancoff et al.			
	EV	5,084,017	1/28/1992	Maffetone			
	EW	5,085,638	2/4/1992	Farbstein et al.			
	EX	5,085,643	2/4/1992	Larkin et al.			
	EY	5,093,079	3/3/1992	Bakaitis et al.			
	EZ	5,104,374	4/14/1992	Bishko et al.			
	FA	5,106,379	4/21/1992	Leap			
	FB	5,135,507	8/4/1992	Haber et al.			
	FC	5,147,311	9/15/1992	Pickhard			
	FD	5,153,827	10/6/1992	Coutre et al.			

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	FE	WO 96/32975	10/24/1996	WIPO				
	FF	WO 97/36635	10/9/1997	WIPO				
	FG	WO 99/65548	12/23/1999	WIPO				
	FH	WO 01/37905	5/31/2001	WIPO				
	FI	WO 02/04049	1/17/2002	WIPO				

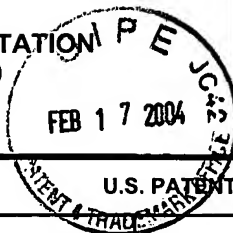
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## U.S. PATENT DOCUMENTS

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FJ	5,226,897	7/13/1993	Nevens et al.			
FK	5,236,416	8/17/1993	McDaniel et al.			
FL	5,242,408	9/7/1993	Jhuboo et al.			
FM	5,254,086	10/19/1993	Palmer et al.			
FN	5,254,101	10/19/1993	Trombley III			
FO	5,256,157	10/26/1993	Samiotes et al.			
FP	5,269,762	10/14/1993	Armbruster et al.			
FQ	5,275,582	1/4/1994	Wimmer			
FR	5,279,569	1/18/1994	Neer et al.			
FS	5,282,792	2/1/1994	Imbert			
FT	5,300,031	4/5/1994	Neer et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

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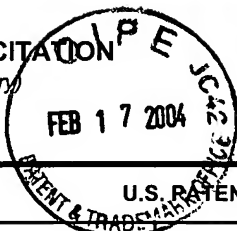
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	FU	5,317,506	5/31/1994	Coutre et al.			
	FV	5,324,273	6/28/1994	Discko, Jr.			
	FW	5,338,309	8/16/1994	Imbert			
	FX	5,342,298	8/30/1994	Michaels et al.			
	FY	5,354,287	10/11/1994	Wacks			
	FZ	5,356,375	10/18/1994	Higley			
	GA	5,356,393	10/18/1994	Haber et al.			
	GB	5,383,858	1/24/1995	Reilly et al.			
	GC	5,425,716	6/20/1995	Kawasaki et al.			
	GD	5,429,602	7/4/1995	Hauser			
	GE	5,249,611	7/4/1995	Rait			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	GF	5,431,627	6/11/1995	Pastrone et al.			
	GG	5,433,712	7/18/1995	Stiles et al.			
	GH	5,439,452	8/8/1995	McCarty			
	GI	5,445,622	8/29/1995	Brown			
	GK	5,451,211	9/19/1995	Neer et al.			
	GL	5,456,670	10/10/1995	Neer et al.			
	GM	5,520,653	5/28/1996	Reilly et al.			
	GN	5,531,698	7/2/1996	Olsen			
	GO	5,533,981	7/9/1996	Mandro et al.			
	GP	5,535,746	7/16/1996	Hoover et al.			
	GQ	5,545,140	8/13/1996	Conero et al.			

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							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

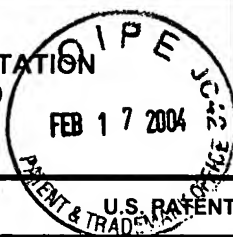

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	GR	5,573,515	11/12/1996	Wilson et al.			
	GS	5,658,261	8/19/1997	Neer et al.			
	GT	5,662,612	9/2/1997	Niehoff			
	GU	5,681,285	10/28/1997	Ford et al.			
	GV	5,681,286	10/28/1997	Niehoff			
	GW	5,683,367	11/4/1997	Jordan et al.			
	GX	5,738,659	4/14/1998	Neer et al.			
	GY	5,741,227	4/21/1998	Sealfon			
	GZ	5,741,232	4/21/1998	Reilly et al.			
	HA	5,779,675	7/14/1998	Reilly et al.			
	HB	5,795,333	8/18/1998	Reilly et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


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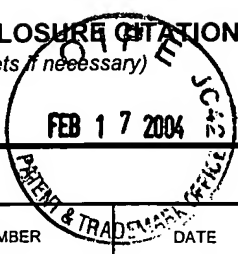
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	HC	5,808,203	9/15/1998	Nolan, Jr. et al.			
	HD	5,827,219	10/27/1998	Uber, III et al.			
	HE	5,865,805	2/2/1999	Ziemba			
	HF	5,873,861	2/23/1999	Hitchins et al.			
	HG	5,882,343	3/16/1999	Wilson et al.			
	HI	5,899,885	5/4/1999	Reilly et al.			
	HJ	5,913,844	6/22/1999	Ziemba et al.			
	HK	5,919,167	7/6/1999	Mulhauser et al.			
	HL	5,938,639	8/17/1999	Reilly et al.			
	HM	5,944,694	8/31/1999	Hitchins et al.			
	HN	5,947,929	9/7/1999	Trull			
<b>FOREIGN PATENT DOCUMENTS</b>							
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	HO	5,947,935	9/7/1999	Rhinehart et al.			
	HP	5,954,697	9/21/1999	Srisathapat et al.			
	HQ	5,954,700	9/21/1999	Kovelman			
	HR	5,997,502	12/7/1999	Reilly et al.			
	HS	6,048,334	4/11/2000	Hirschman et al.			
	HT	6,059,756	5/9/2000	Yeh			
	HU	6,080,136	6/27/2000	Trull et al.			
	HV	6,083,197	7/4/2000	Umbaugh			
	HW	6,090,064	7/18/2000	Reilly et al.			
	HX	6,099,502	8/8/2000	Duchon et al.			
	HY	6,221,045	4/24/2000	Duchon et al.			

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							YES	NO

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>			

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HZ	6,336,913	1/8/2002	Spohn et al.			
IA	6,585,700	7/1/2003	Trocki et al.			
IB	6,652,489	11/25/2003	Trocki et al.			2/5/2001
IC	Re. 32,974	7/4/1989	Porat et al.			
ID	Re. 37,487	12/25/2001	Reilly et al.			

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